



MINI PROJECT
REPORT ON
“HEALVENTURE”

Submitted By

1. Vijyalaxmi Sahani
2. Vaibhav Humbad
3. Roshan Jadhav
4. Vivek Kolte
5. Yuvraj Gubbala

Under the Guidance of

“Prof: Leena Patil”

Submitted To

Savitribai Phule Pune University

**As a partial fulfillment for the
award of the degree of**

MASTER OF COMPUTER APPLICATION

Semester: 1

At

ASM's

**Institute of Business Management and Research, Chinchwad,
Pune – 19**

(Affiliated to SPPU & Approved by AICTE)

Session: 2021-23

INDEX

Sr.No	Topics	Page No.
1	INTRODUCTION/ AIMS AND OBJECTIVES	4
2	SYSTEM ANALYSIS	5
	2.1 Identification of Need	5
	2.2 Scope of the Project	5
3	FEASIBILITY STUDY	6
	3.1 Technical Feasibility	7
	3.2 Economic Feasibility	8
	3.3 Operational Feasibility	9
4	TABLE SPECIFICATION	10
5	S/W & H/W REQUIREMENT SPECIFICATION	14
6	SYSTEM DESIGN	18
	6.1 Use case Diagram <ul style="list-style-type: none"> ➤ Admin ➤ Receptionist ➤ Doctor ➤ Patient 	
	6.2 ER Diagram	22
	6.3 Data Flow Diagram	23
	<ul style="list-style-type: none"> ➤ Level Zero DFD ➤ Level First DFD ➤ Level (2a) DFD ➤ Level (2b) DFD 	

		➤ Level (2c) DFD	
	6.4	Sequence Diagram	28
7		SCREEN SHOTS	29
		➤ Home Page ➤ Admin Panel ➤ Patient Panel ➤ Add Patient ➤ Doctor Panel ➤ Add New Doctor ➤ Doctor Appointment ➤ Receptionist Panel ➤ Add New Receptionist ➤ Set Appointment ➤ Bill Generation	
8		IMPLEMENTATION AND MAINTAINENCE	41
9		FUTURE SCOPE OF THE MINI PROJECT	45
10		SAMPLE CODE	45
11		BIBLIOPGRAPHY/ REFERENCES/ GLOSSARY	87

1)Introduction/Aims and Objective

Objective of our project:

The project **HEALVENTURE** is a software for computerizing the working in a hospital. It is a great improvement over the manual system. The computerization of the system has speed up the process. The system is capable to provide easy and effective storage of information related to patient that come up to the hospital.

It also provides billing facility. The system is thoroughly checked and tested and it is found to be very reliable.

Introduction:

The project Healventure includes registration of patients, storing their details into the system, and also computerized bills. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id.

- The Healventure can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very userfriendly. The data are well protected for personal use and makes the data processing very fast.
- The purpose of the project entitled as “HEALVENTURE” is to computerize the Front Office Management of Hospital to develop software which is user friendly, simple, fast, and cost effective.

2) System Analysis

Scope:

The Project Healventure includes registration of patients, storing their details into the system and also computerized billing in the pharmacy. The system has the facility to give a unique id to every patient and stores the details of every patient and staff automatically.

In our proposed system, we are going to provide solutions to all the mentioned problems by automating the whole hospital administration by using an integrated system that handles the whole system. It can be used in any Hospital, Clinic, pathology lab for maintaining patient details and their test results.

Existing System:

Hospitals currently use a manual system for the management of critical information. The current system requires numerous paper forms with data stores spread throughout the hospital management infrastructure. Often information is incomplete or does not follow management standard.

Forms are often lost in transit between departments requiring a comprehensive auditing process to ensure that no vital information is lost. To maintain the records of sale & service manually is a time consuming job.

The advantages of the system are:

- Easy access to patient data.
- Improve data security.
- Reduces scope of error.
- Reduces paper work.

3) Feasibility Study

Feasibility study:

Feasibility study is useful to evaluate the cost and benefit of the system requested.

This is nothing but a test, which is conducted on the proposed system, how the requirements are achieved. It is also used to understand the scope. The feasibility study tries to anticipate future scenario of system development.

At this stage, the analyst estimates the urgency of the project and estimate the development cost.

There are three major aspects in feasibility study:

1. Technical feasibility
2. Economic feasibility
3. Operational feasibility

TECHNICAL FEASIBILITY:

This study is carried out to check the technical feasibility that is the technical requirements of the system. Technical feasibility is concerned with the availability of hardware and system required for development of system, to see compatibility and maturity of the technology proposed to be used and to see the availability required the technical manpower to develop the system.

After the study, we came to a conclusion that we proceed further with the tool and development environment chosen by us.

ECONOMIC FEASIBILITY:-

Economic feasibility considers the cost benefits analysis of the proposed system. The benefits are always accepted to be outweighing the cost. Economic feasibility is helpful to find the system development cost hence and checks whether it is justifiable for that it concentrate on.

1. Investigation cost.
2. System and hardware cost.
3. Salaries and maintenance cost.
4. Supply cost.

The proposed system requires minimum hardware and maintenance cost.

Hence it is economic feasibility.

OPERATIONAL FEASIBILITY:-

It consider the acceptability of the system.it checks whether system will be used if it developed and implemented .it checks whether the users of the system will be able to handle as if the proposed system does not create any problems.

The proposed system will be easy to handle as the overview is according to the requirement of the user. It reduces extra workload of the user proving to be beneficial. Hence the proposed system is operationally feasible. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system.

4) Table Specifications:

1. Admin

Entity Name	Entity Type & Size	Constraints	Description
username	varchar(15)	Not Null	Username for login
password	varchar(15)	Not Null	Password for login

2. Doctor

Entity Name	Entity Type & Size	Constraints	Description
count	int(11)	Not Null	For serial numbers
date	varchar(10)	Not Null	Date of Joining
id	varchar(10)	Not Null	Doctor Id
name	varchar(30)	Primary Key	Doctor Name
age	int(5)	Not Null	Doctor Age
gender	varchar(8)	Not Null	Gender of Doctor
blood	varchar(4)	Not Null	Blood group of Doctor
dept	varchar(20)	Not Null	Department
phone	varchar(15)	Not Null	Doctor phone number
email	varchar(30)	Not Null	Email of Doctor
status	varchar(10)	Not Null	Marital status
address	varchar(20)	Not Null	Address
room	int(11)	Not Null	Room number
username	varchar(20)	Not Null	Username for doctor login
password	varchar(30)	Not Null	Password for doctor login

3. Patient

Entity Name	Entity type & Size	Constraints	Description
count	int(11)	Not Null	Patient serial numbers
date	varchar(10)	Not Null	Date of patient Admission
id	varchar(20)	Not Null	Patient id
name	varchar(20)	Primary key	Patient Name
age	int(5)	Not Null	Patient Age
gender	varchar(10)	Not null	Patinet gender
address	varchar(20)	Not null	Patient address
phone	varchar(20)	Not null	Patient Phone Number
status	varchar(10)	Not null	Marital status of patient
disease	varchar(20)	Not null	Patient disease
room	int(11)	Not null	Patient room number

4. Receptionist:

Entity Name	Entity type & Size	Constraints	Description
count	int(11)	Not null	Receptionist serial number
joining	varchar(15)	Not null	Date of joining
id	varchar(15)	Not null	Receptionist id
name	varchar(30)	Primary key	Receptionist name
age	int(5)	Not null	Age
gender	varchar(10)	Not null	Gender of receptionist
blood	varchar(4)	Not null	Blood group
email	varchar(40)	Not null	Email of receptionist
phone	varchar(17)	Not null	Phone number
address	varchar(30)	Not null	Address of receptionist
status	varchar(10)	Not null	Marital status of receptionist
username	varchar(20)	Not null	Username for receptionist login
password	varchar(30)	Not null	Password for receptionist login

5. Appointment:

Entity Name	Entity type & Size	Constraints	Description
dName	varchar(20)	Not null	Doctor name
pName	varchar(15)	Not null	Patient name
room	int(11)	Not null	Room number

5) S/W & H/W Requirement Specification

S/W & H/W Requirements: -

Operating System	Windows 10, Mac OS or more
Processor	I3 or more
RAM	4 GB or more
Language	Java
Server	Wamp server, Xampp server
Database	MySQL

Detail Description of Technology Used:

JAVA:

Java is an object-oriented programming language developed by James Gosling and Colleagues at Sun Microsystem in early 1990s. Unlike conventional languages which are generally designed either to be compiled to native code, or to be interrupted from source code at runtime, Java is intended to be compiled to a byte code, which is then run (generally using JIT compilation) by a Java Virtual Machine.

Java was started as a project called “oak” by James Gosling in June 1991. Gosling goals were to implemented a virtual machine and a language that had a familiar C-like notation but with greater uniformly and simplicity then C and C++. The first public implementation was

Java 1.0 in 1995.

It made the promise of “Write Once, Run Anywhere”, with free runtimes on popular platforms. It was fairly secure and its security was configurable, allowing for network and access to be limited. The major web browsers soon incorporated it into their standard configuration in secure “Applet” configuration popular quickly. New versions for large and small platforms (J2EE and J2ME) soon were designed with the advent of “Java 2”. Sun has not announced any plans for a “Java 3”.

○ NetBeans:

The Net Beans Platform is a framework for simplifying the development of Java Swing desktop applications. The Net Beans IDE bundle for Java SE contains what is needed to start developing Net Beans plugins and Net Beans Platform based applications no additional JDK is required.

Applications can install modules dynamically. Any application can include the Update Centre module to allow users of the application to download digitally signed upgrades and new features directly into the running application. Reinstalling an upgrade or a new release does not force users to download the entire application again.

The platform offers reusable services common to desktop applications, allowing developers to focus on the logic specific to their application. Among the features of the platformers.

Net Beans IDE is an open-source integrated development environment. Net Beans IDE supports development of all Java application types (Java SE (including Java FX), Java ME, web EJB and mobile applications) out of the box. Among other features are an Ant-based project system, Maven support, refactoring, version control (supporting CVS, Subversion, Mercurial

and Clear case).

Modularity: All the functions of the IDE are provided by modules. Each module provides welldefined function, such as support for the Java language, editing, or support for the CVS versioning system, and SVN. Net Beans contains all the modules needed for Java development in a single download, allowing the user to start working immediately. Modules also allow Net Beans to be 32 extended. New features, such as support for other programming languages, can be added by installing additional modules. For instance, Sun Studio, Sun Java Studio Enterprise, and Sun Java Studio Creator from Sun Microsystems are all based on the Net Beans IDE.

License: From July 2006 through 2007, Net Beans IDE was licensed under Sun's Common Development and Distribution License (CDDL), a license based on the Mozilla Public License (MPL). In October 2007, Sun announced that Net Beans would henceforth be offered under a dual license of the CDDL and the GPL version 2 licenses, with the GPL linking exception for GNU Class path

- User Interface Management (e.g Menus and Toolbars)

- User Settings Management
- Storage Management (Saving and Loading any Kind of Data)
- Window Management
- Wizard Framework (Supports Step-by-Step Dialogs)
- Net Beans Visual Library
- Integrated Development Tools

○ **MySQL Database:**

MySQL Server is a Microsoft product used to manage and store information. Technically, MySQL Server is a “relational database management system.

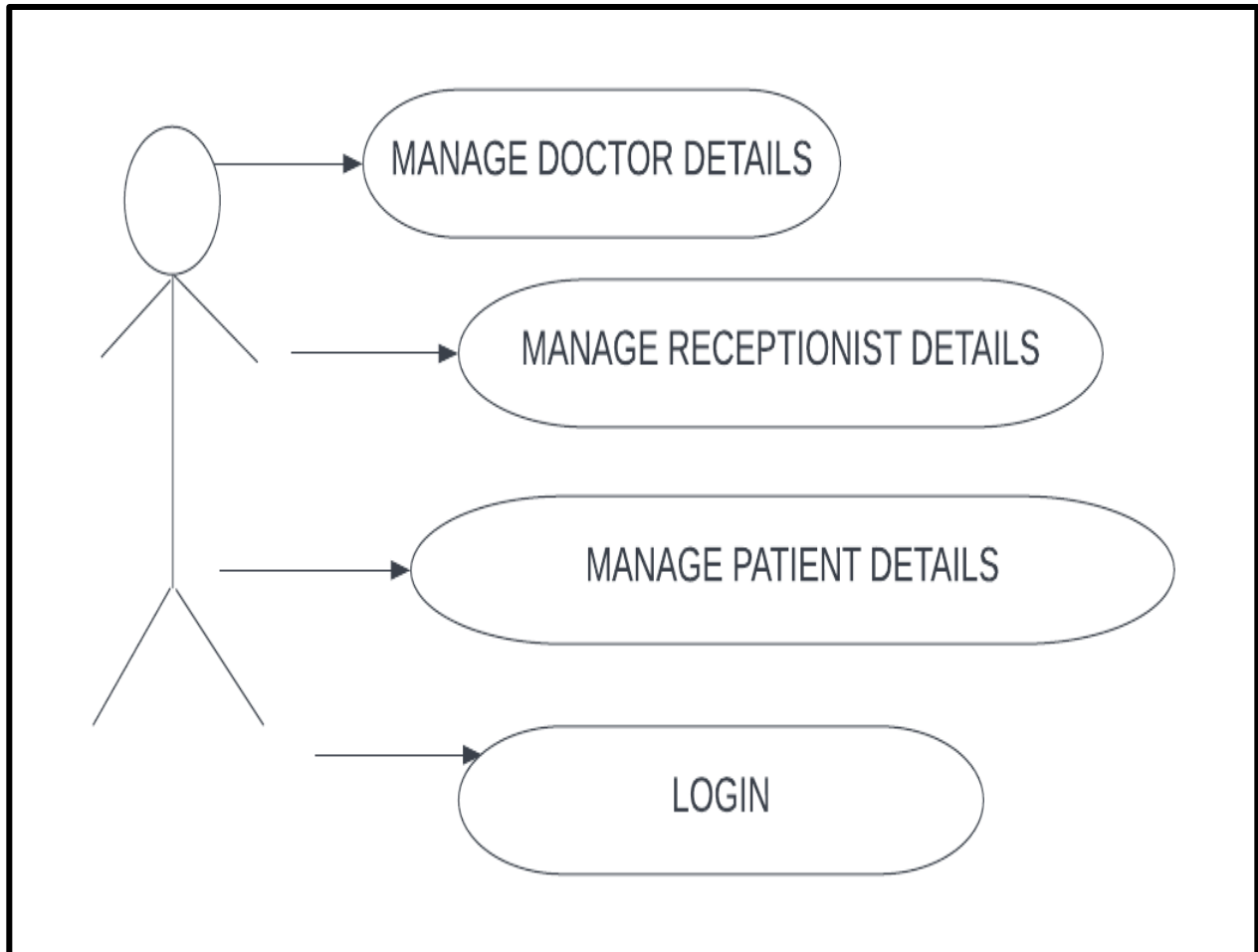
MySQL is a leading Open-Source database management system. It is a multi-user, multithreaded database management system. MySQL is especially popular on the web. It is one of the parts of the very popular LAMP platform. Linux Apache, MySQL and PHP.

MySQL database is available on most important OS platforms. It run on BSD Unix, Linux, Windows or Mac Wikipedia You tube Facebook use MySQL. These sites manage millions of queries each day. MySQL server software and the client libraries are dual-licensed GPL version 2 and proprietary license.

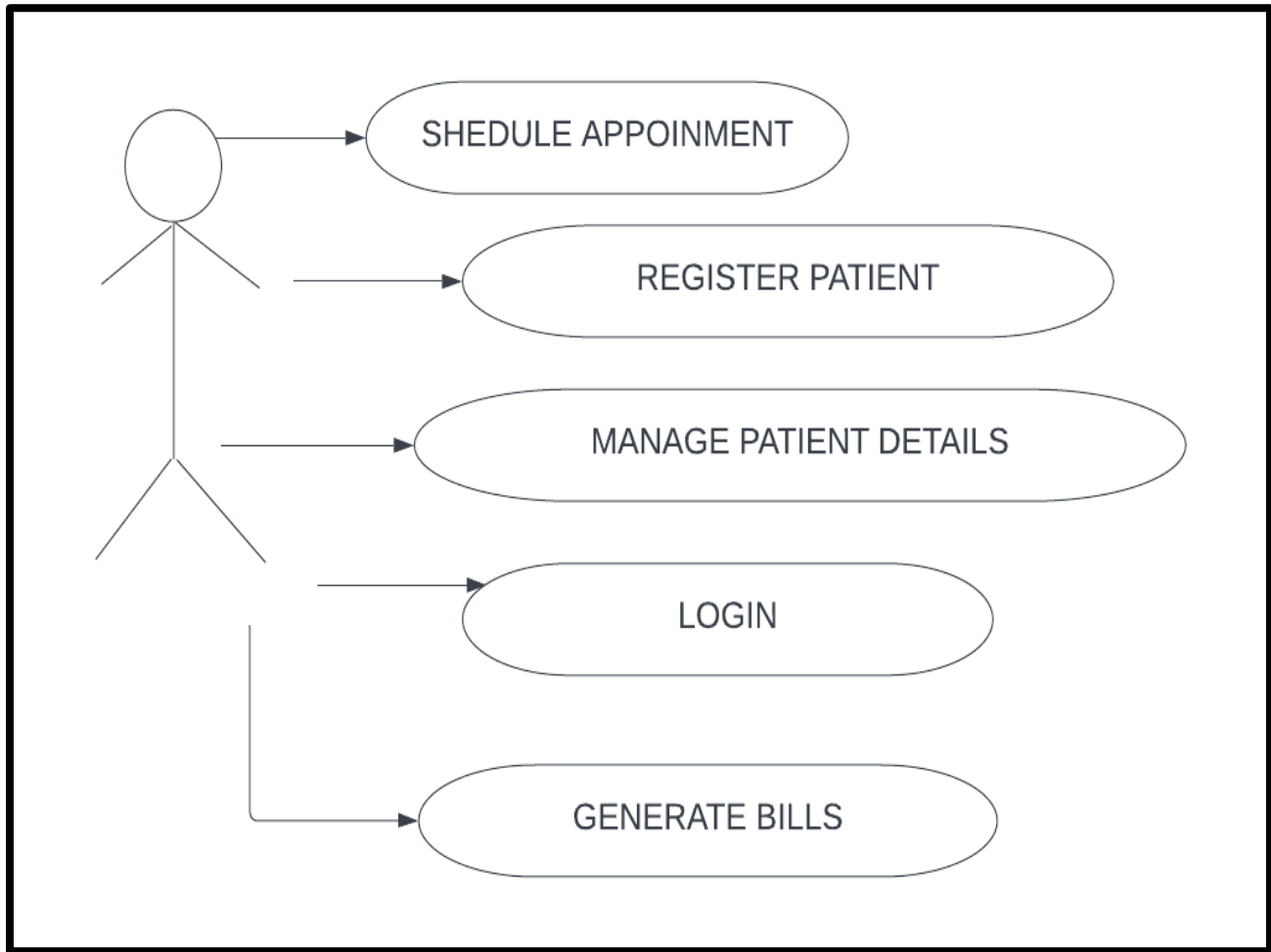
The development of MySQL begun in 1994 by a Swedish company MySQL AB in 2008 Sun was bought by oracle in 2010. MySQL PostgreSQL, Firebird, SQLite, Derby and HSQLDB are the most well-known open-source database systems.

6) System Design

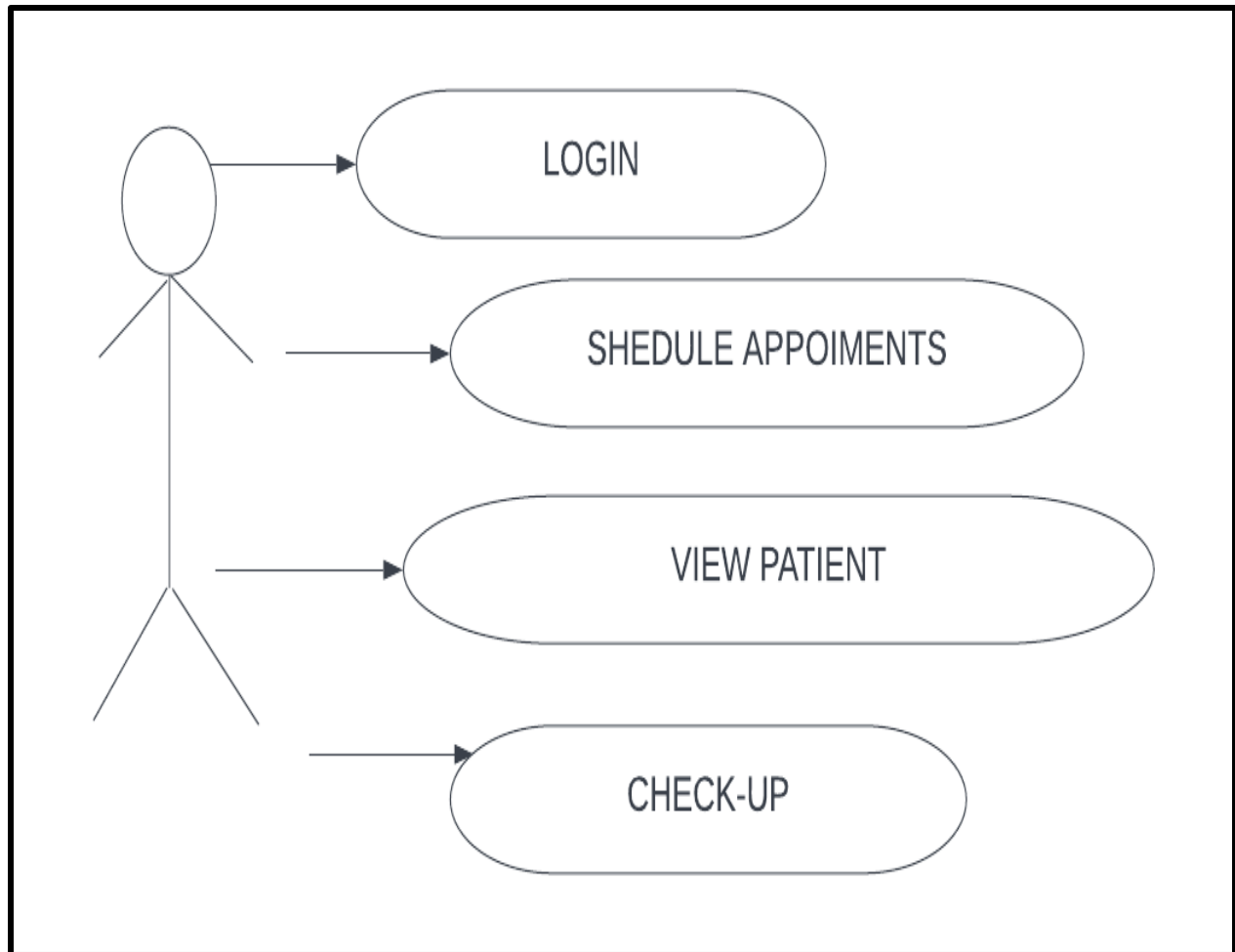
❖ Usecase Diagram for Admin:



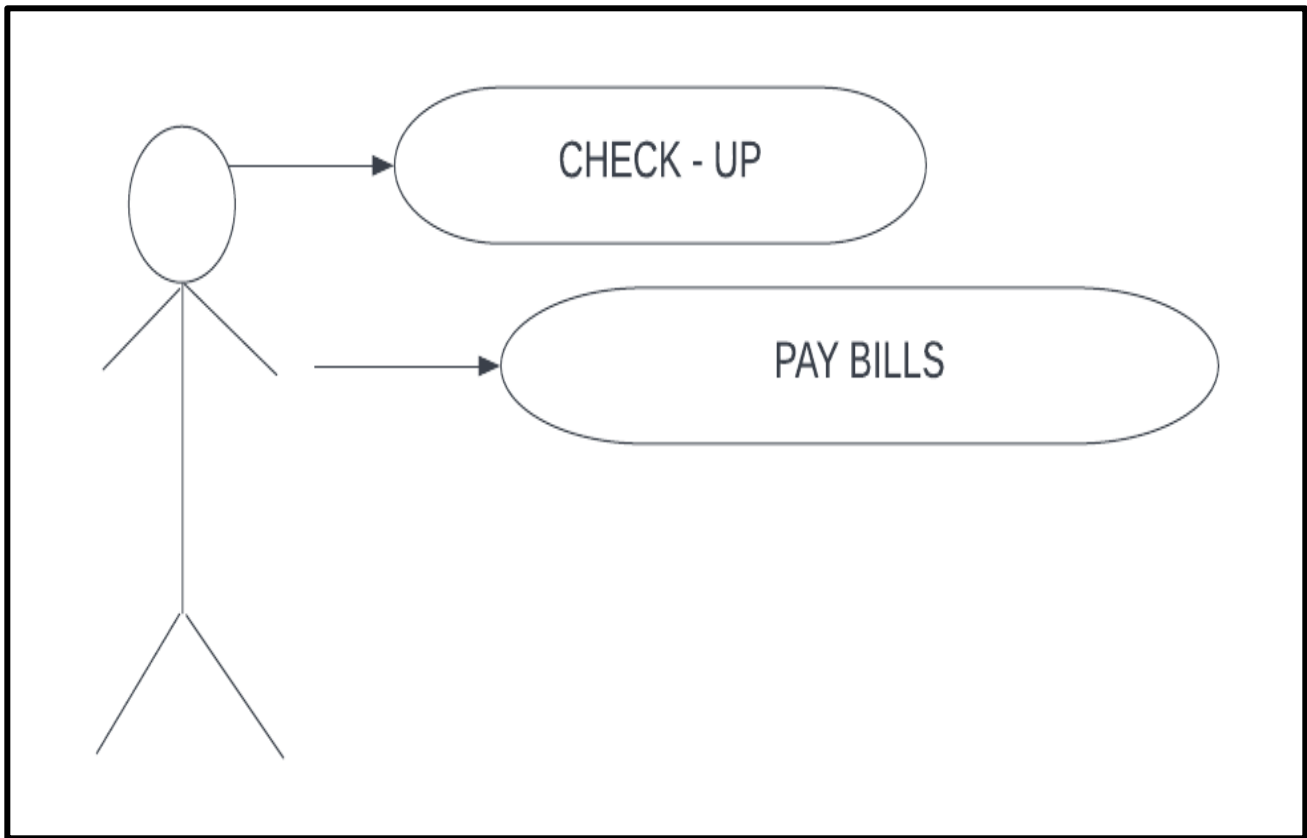
❖ Usecase Diagram for Receptionist:



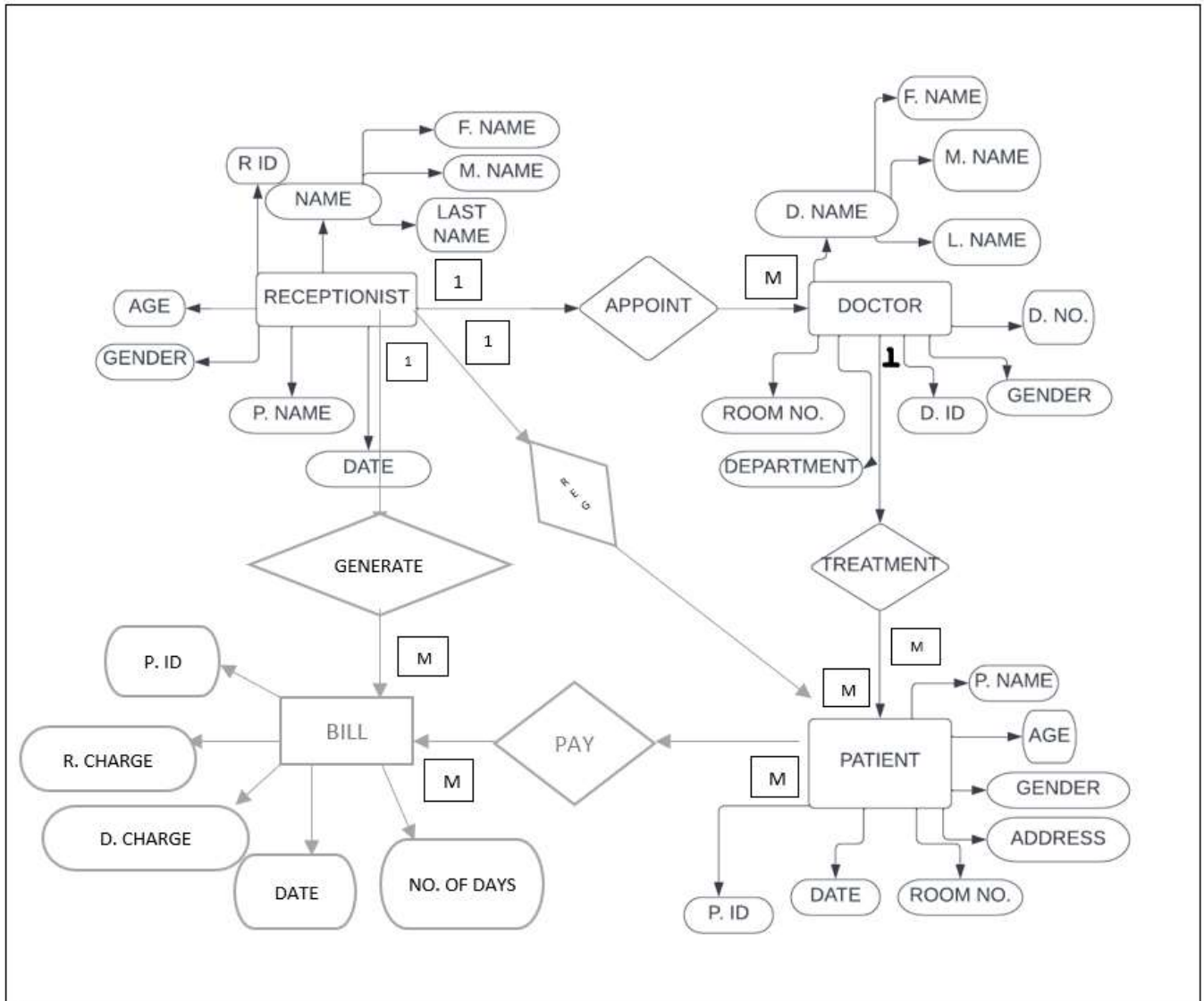
❖ Usecase Diagram for Doctor:



❖ Usecase Diagram for Patient:



❖ Entity Relationship Diagram:

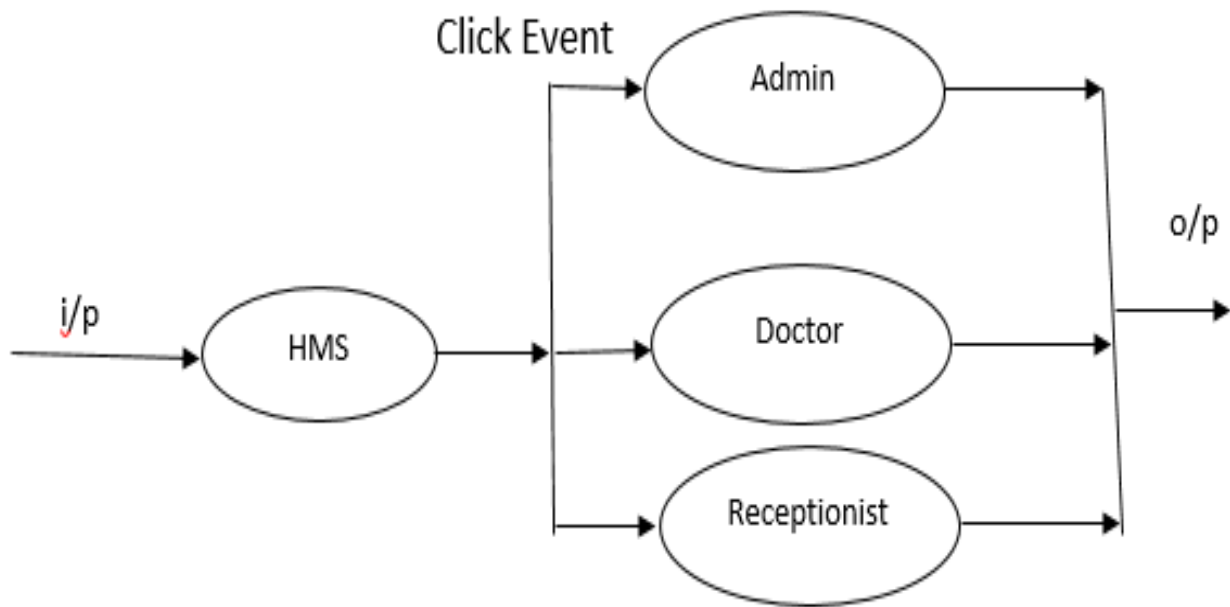


❖ Data Flow Diagram:

Level 0 (Context Level)

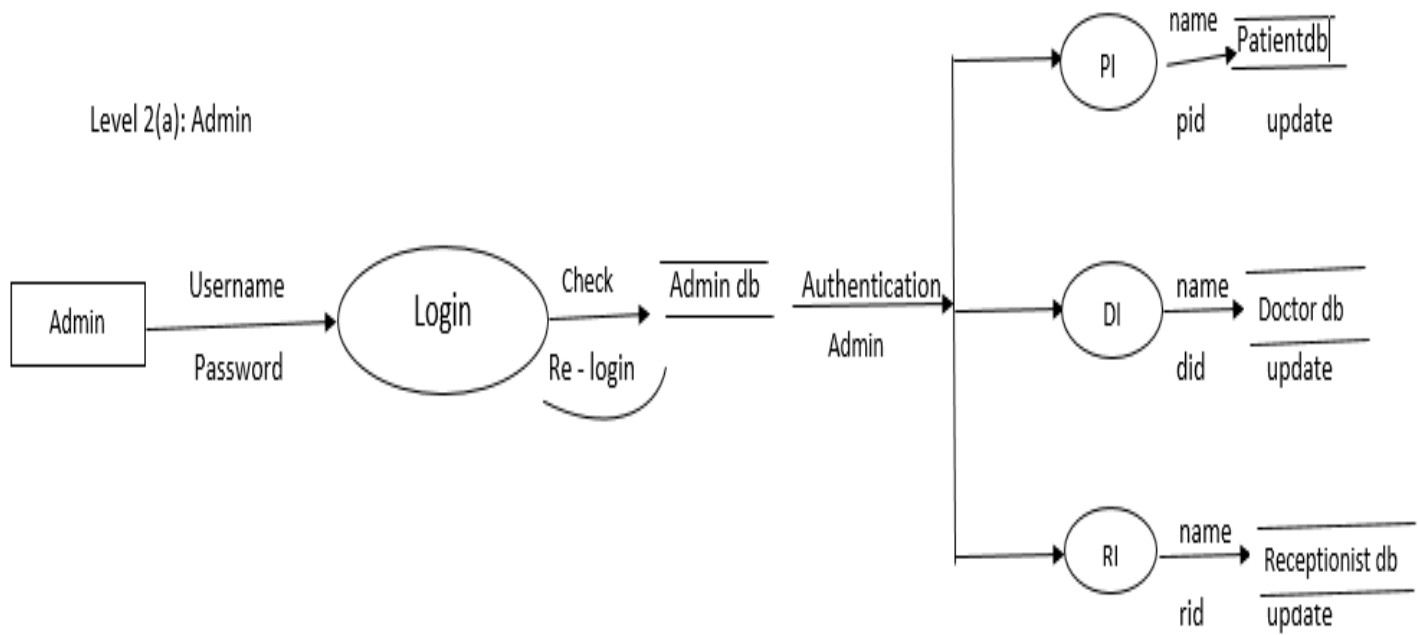


Level 1:

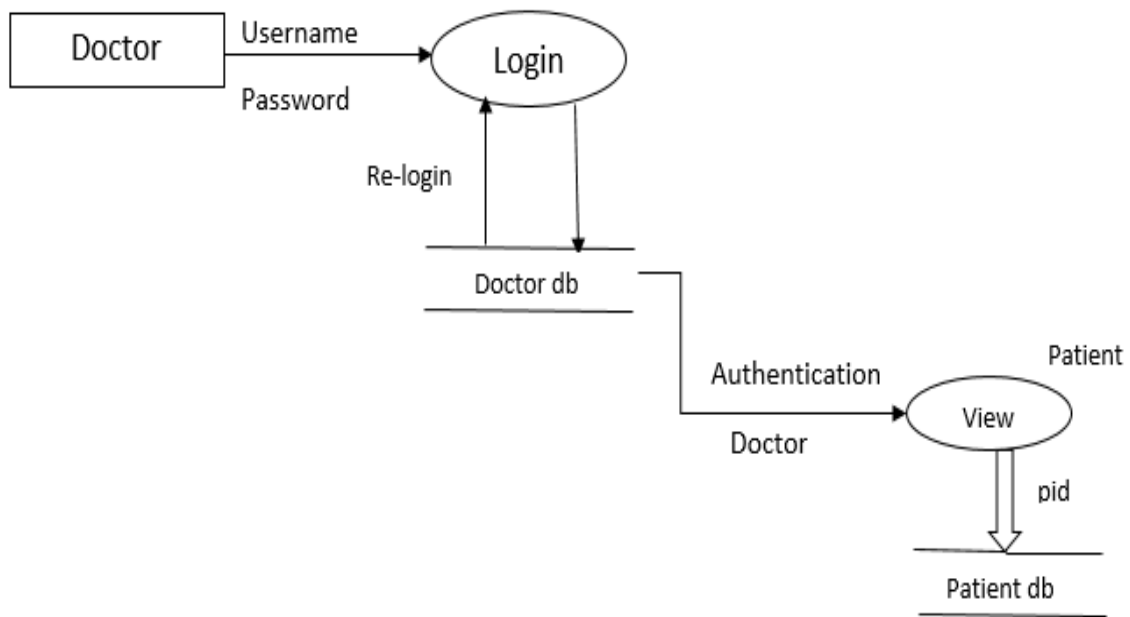


Level 2 (a) : Admin

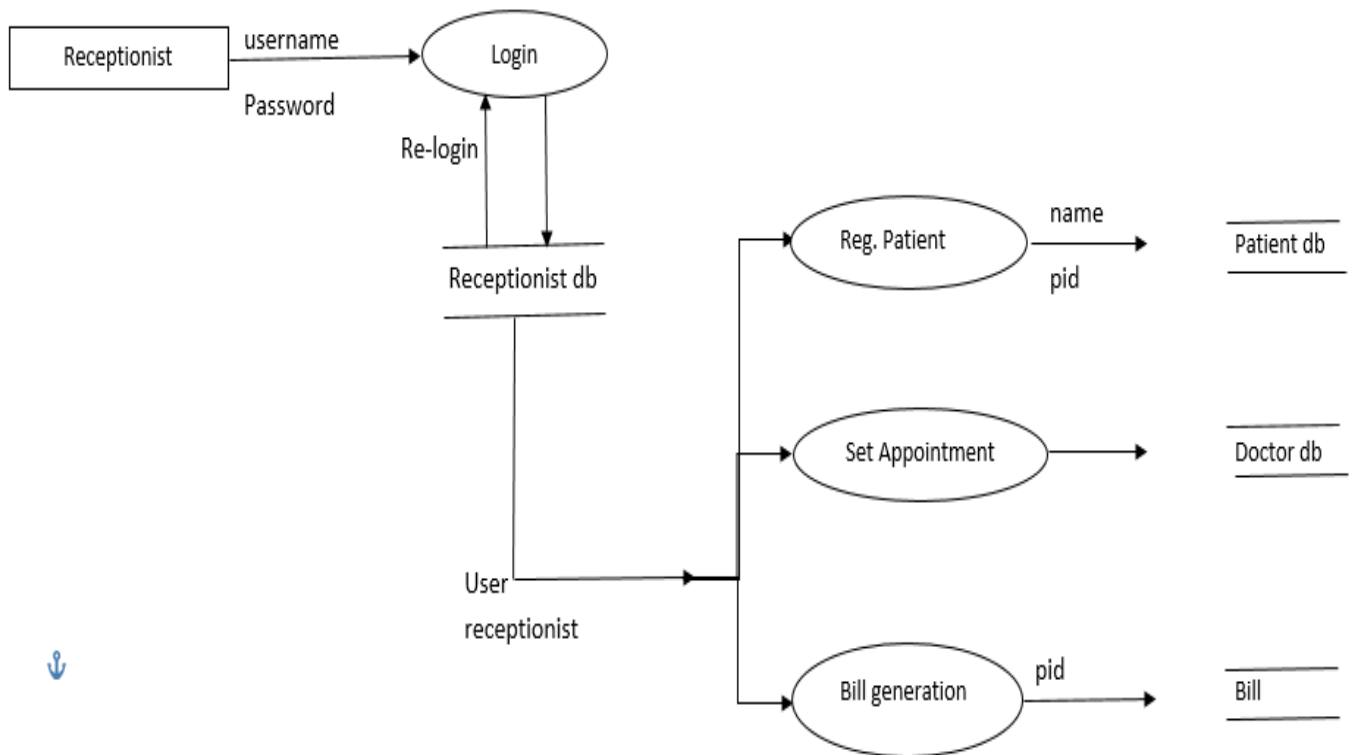
Level 2(a): Admin



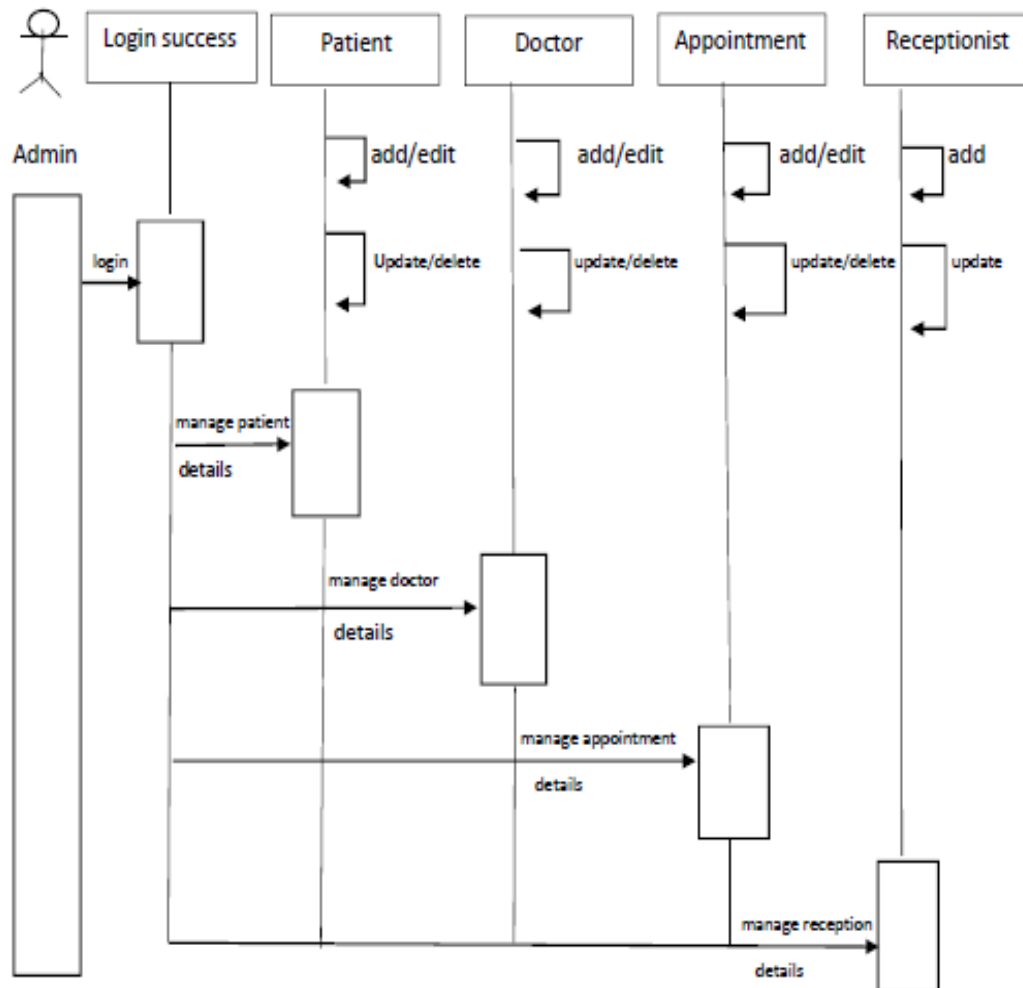
Level 2 (b) : Doctor



Level 2 (c) : Receptionist



❖ SEQUENCE DIAGRAM



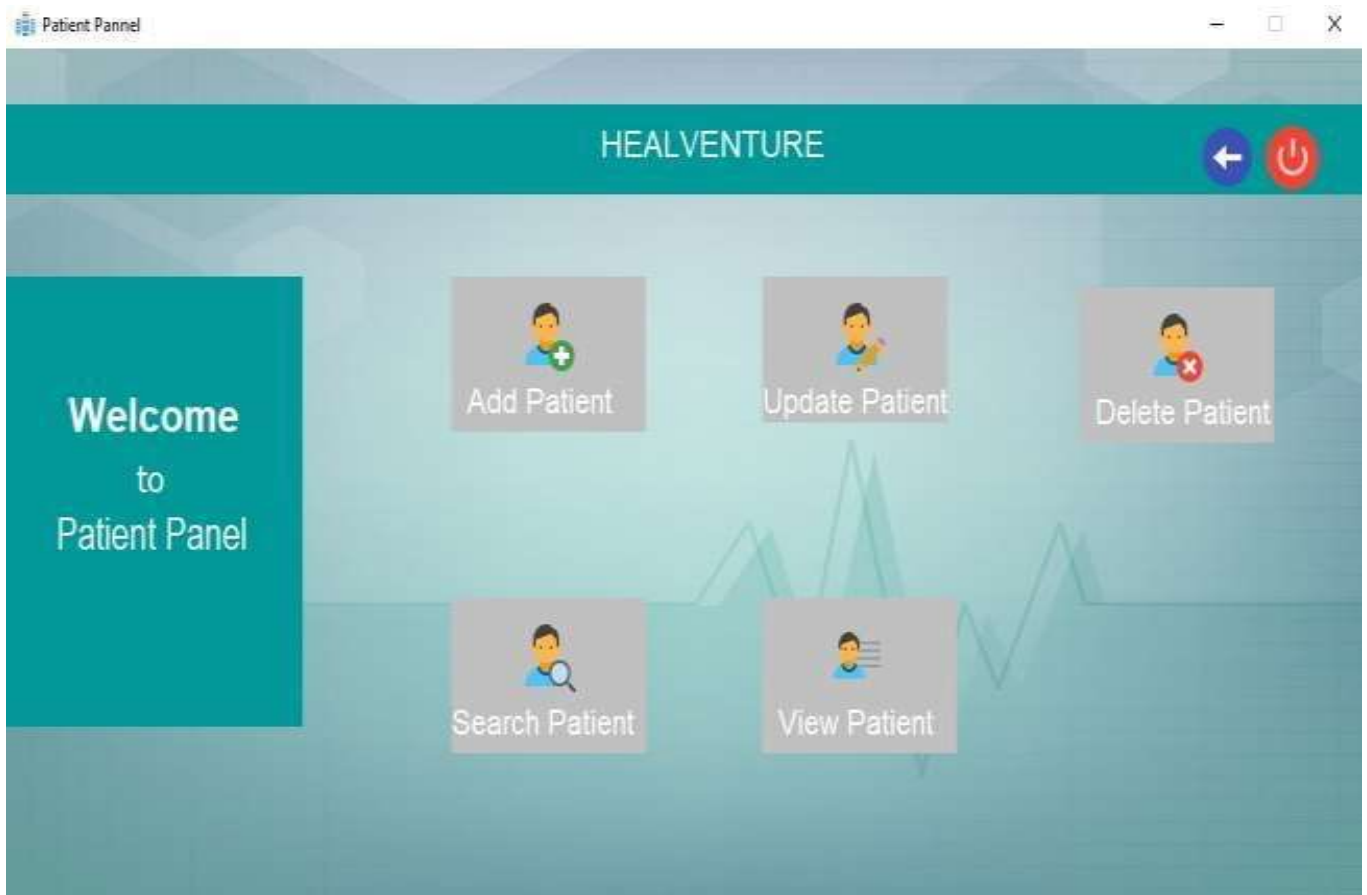
7) User interface Design (Screens etc.)



Home



Admin Panel



Patient Panel

Add Patient

HEALVENTURE

Date

Address

Id

Phone Number

Name

Marital Status

Age

Disease Name

Gender

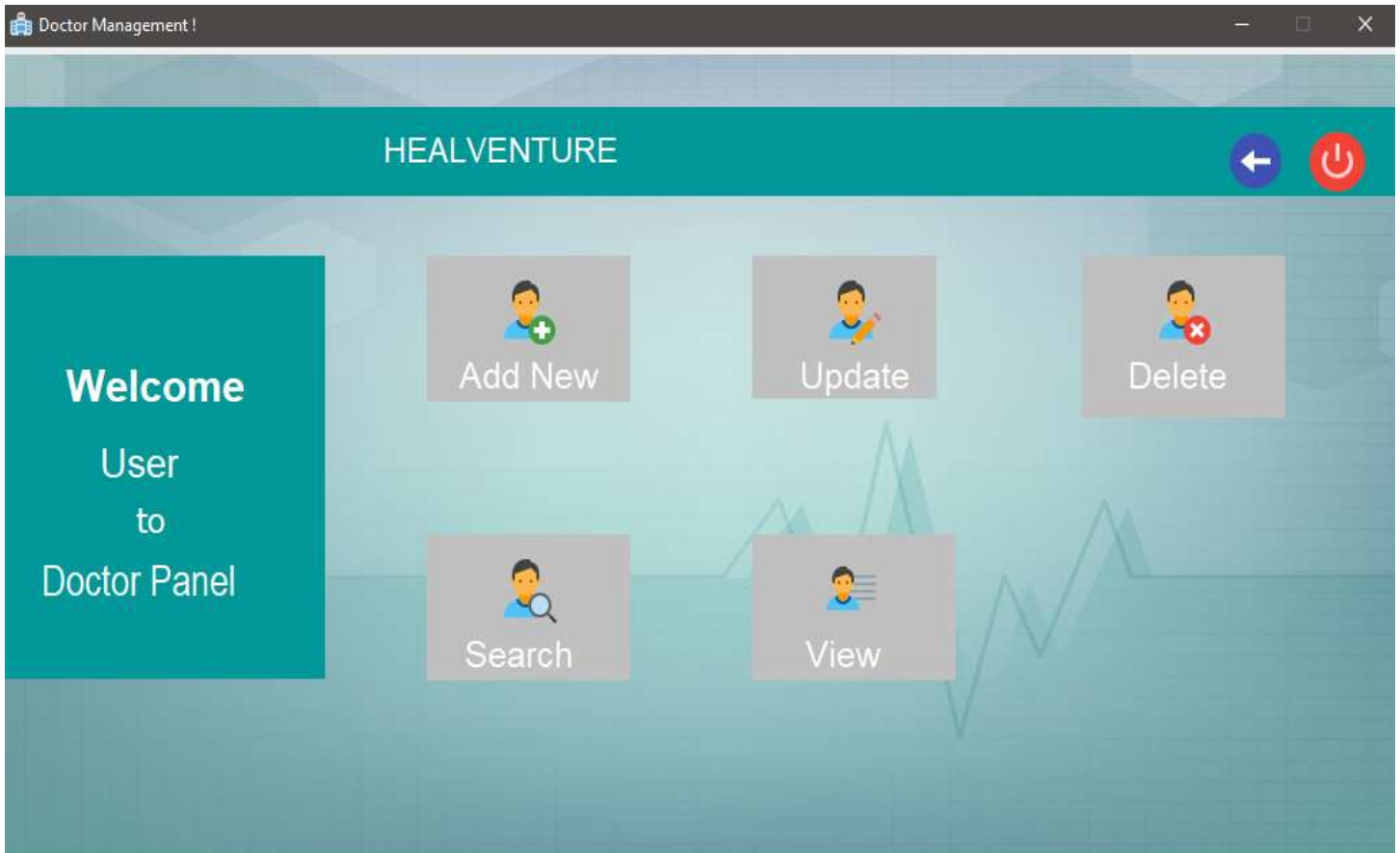
Ward/Room no

Clear Add

Add Patient



Receptionist Panel



Doctor Panel

Add new Doctor

HEALVENTURE

Joining Date

Department

Select Department

Id

sjb0HMSd

Phone Number

+91

Name

Email

Username

Age

Marital Status

Select Item

Password

Gender

Select Item

Address

Blood group

Ward/Room no

Clear

Add

Add New Doctor

Add Receptionist !

HEALVENTURE

Date

Blood Group

Id

Phone Number

Username

Name

Email

Password

Age

Address

Gender

Marital Status

Clear Add

Add New Receptionist

Choose Docotor!

HEALVENTURE

Department

Select Department

Search

Select a Doctor and Press Next

Serial	Joining Date	Id	Name	Age	Gender	Blood Group	Department	Phone Number	Email Address	Status	Address	Room number	Username
--------	--------------	----	------	-----	--------	-------------	------------	--------------	---------------	--------	---------	-------------	----------

Next

Set Appointment

Search Patient !

— □ ×

HEALVENTURE



Name of Patient

Search

Count	Date	Id	Name	Age	Gender	Address	Phone Number	Status	Disease	Room Number

No. of Days : Dr. Consultancy Charges : Room Charge/Day: Patient ID:

Total: Payment Mode: BY CASH Date: (DD-MM-YYYY)

Bill

Bill Generation

Choose Docotor!

HEALVENTURE

←

⏻

Department

Select Department

Search

Select a Doctor and Press Next

Serial	Joining Date	Id	Name	Age	Gender	Blood Group	Department	Phone Number	Email Address	Status	Address	Room number	Username
--------	--------------	----	------	-----	--------	-------------	------------	--------------	---------------	--------	---------	-------------	----------

Next

Doctor Appointment

8)Implementation and Maintenance

The project **Hospital Management System (HMS)** is for computerizing the working in a hospital. It is a great improvement over the manual system. The computerization of the system has speed up the process. The system is capable to provide easy and effective storage of information related to patient that come up to the hospital.

It also provides billing facility. The system is thoroughly checked and tested and it is found to be very reliable.

TEST PROCEDURE AND IMPLEMENTATION

The software testing is the critical element of software quality assurance and represents the ultimate review of the software design and coding. The main objective of the testing is to find an error and to uncover the errors that are not yet discovered.

The increasing visibility of software as a system element and the attendant cost associated with a software failure and motivating forces for well planned, through testing. It is no unusual for a software development organization to expand between 30% to 40% of project effort on testing. In the extreme, testing of human related

software can cost 3-5 time as much as all other software engineering activities combined. the testing phase involves the testing of the system using various test data, preparation of the test data plays a vital role in the system testing after preparing the test data, error was found and corrected by using the following the testing steps and correction are recorded for future reference. Thus, a series of testing is performed on the system before it is ready for implementation.

After completion of system analysis, design, and coding through testing of the system was carried out in a systematic approach, the main objectives of the system are

- To ensure that the operations of the system will perform as per the specification.
- To make sure that the system meets the user requirement during the operations.
- To cross check when correct input are filled into the system output are correct.
- To make sure that during the operation incorrect inputs and the outputs will be detected.

In testing process the number of strategies has been used as mentioned below,

- Unit Testing
- Integration Testing
- Validation Testing
- Black Box Testing
- User acceptance Testing

Unit Testing:

Unit testing focuses verification efforts on the smallest unit of the software design. Using the system test plan, prepare in the design phase of the system development as guide, important control path is tested to uncover error within boundary of the module. The interface of each of the module was tested to ensure proper flow of information into and out of the module under consideration. Each module will be tested individually to make the individual component error free. Also, other attached modules will be error free.

Integration Testing:

Each module will be tested of its effect on other module by integrating the modules. This will remove further errors from the system and may also result in some changes in the individual module.

Validation Testing:

At the culmination of the integration testing the software was completely assembled as package, interfaces have been uncovered, and a final series of software validation testing began. Here we test the system function manner that can be reasonably by the customer, the system was tested against system requirement specification.

Black Box Testing:

After performing validation testing, the next phase is output test of the system since no system code is useful if it does not produce the desired output in desired format. By considering the format of the report/output, report/output is generated or displayed and tested.

User Acceptance Testing:

User acceptance testing is used to determine the whether the software is fit for the user to use. The System under consideration was listed for user acceptance by keeping constant touch with the prospective user of the system at the time of design, development and making change whenever required.

9)Future scope of the Mini Project

- The proposed system is **HEALVENTURE** system. We can enhance this system by including more facilities like pharmacy system for the stock details of medicines in the pharmacy.
- Providing such features enable the users to include more comments into the system.

10)Sample Code

```
package Admins;

import javax.swing.ImageIcon;
import Main.Admin;
import Main.Hospital;
import Patient.patientActivity;
import Receptionists.ReceptionistActivity;

public class AdminActivity extends javax.swing.JFrame {

    String username;
    Admin admin = new Admin();

    public AdminActivity() {
        initComponents();
        ImageIcon ic = new ImageIcon(getClass().getResource("/Images/hospital.png"));
        this.setIconImage(ic.getImage());
    }

    public void User(String username) {
        this.username = username;
    }
}
```

```

@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jPanel5 = new javax.swing.JPanel();
    jLabel5 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jPanel6 = new javax.swing.JPanel();
    jLabel6 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jLabel10 = new javax.swing.JLabel();
    jLabel16 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setTitle("Welcome to Admin Pannel !");
    setResizable(false);
    setSize(new java.awt.Dimension(1000, 550));
    addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseMoved(java.awt.event.MouseEvent evt) {
            formMouseMoved(evt);
        }
    });
    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

    jPanel1.setBackground(new java.awt.Color(0, 153, 153));

    jLabel1.setFont(new java.awt.Font("Arial", 1, 30)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText("Welcome");

    jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(255, 255, 255));
    jLabel2.setText("to");

    jLabel3.setFont(new java.awt.Font("Arial Narrow", 0, 30)); // NOI18N

```

```

jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Admin Portal");
jLabel3.setToolTipText("");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(49, 49, 49)
                    .addComponent(jLabel1))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(102, 102, 102)
                    .addComponent(jLabel2))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(41, 41, 41)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 157,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(42, Short.MAX_VALUE))
    );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(100, 100, 100)
            .addComponent(jLabel1)
            .addGap(7, 7, 7)
            .addComponent(jLabel2)
            .addGap(10, 10, 10)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 28,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(70, Short.MAX_VALUE))
    );

getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 191, 240, 280));

jPanel3.setBackground(java.awt.Color.lightGray);
jPanel3.setPreferredSize(new java.awt.Dimension(115, 87));

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/patient.png"))); // NOI18N
jLabel4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel4MouseClicked(evt);
    }
}

```

```

});

jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel7.setForeground(new java.awt.Color(255, 255, 255));
jLabel7.setText("Patient Info");
jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel7MouseClicked(evt);
    }
});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(48, 48, 48)
            .addComponent(jLabel4)
            .addGap(27, 27, 27)
            .addComponent(jLabel7))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(7, 7, 7)
            .addComponent(jLabel4)
            .addGap(13, 13, 13)
            .addComponent(jLabel7))
);

jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(7, 7, 7)
            .addComponent(jLabel4)
            .addGap(13, 13, 13)
            .addComponent(jLabel7))
);

getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(314, 209, 150, 100));

jPanel5.setBackground(java.awt.Color.lightGray);
jPanel5.setPreferredSize(new java.awt.Dimension(115, 87));

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/reception.png"))); // NOI18N
jLabel5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel5MouseClicked(evt);
    }
});

jLabel9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel9.setForeground(new java.awt.Color(255, 255, 255));

```



```

jLabel9.setText("Receptionist");
jLabel9.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel9MouseClicked(evt);
    }
});

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(50, 50, 50)
            .addComponent(jLabel5)
            .addGap(26, 26, 26)
            .addComponent(jLabel9))
        );
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(13, 13, 13)
            .addComponent(jLabel5)
            .addGap(13, 13, 13)
            .addComponent(jLabel9))
        );

getContentPane().add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(854, 209, 150, 100));

jPanel6.setBackground(java.awt.Color.lightGray);
jPanel6.setPreferredSize(new java.awt.Dimension(115, 87));

jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/doctor.png"))); // NOI18N
jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel6MouseClicked(evt);
    }
});

jLabel8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel8.setForeground(new java.awt.Color(255, 255, 255));
jLabel8.setText("Doctor Info");
jLabel8.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel8MouseClicked(evt);
    }
});

```

```

    }
    });

    javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
    jPanel6.setLayout(jPanel6Layout);
    jPanel6Layout.setHorizontalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addGap(49, 49, 49)
                .addComponent(jLabel6)
                .addGap(28, 28, 28)
                .addComponent(jLabel8)
            )
    );
    jPanel6Layout.setVerticalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addGap(13, 13, 13)
                .addComponent(jLabel6)
                .addGap(13, 13, 13)
                .addComponent(jLabel8)
            )
    );

    getContentPane().add(jPanel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(584, 209, 150, 100));

    jPanel2.setBackground(new java.awt.Color(0, 153, 153));

    jLabel10.setFont(new java.awt.Font("Arial", 0, 24)); // NOI18N
    jLabel10.setForeground(new java.awt.Color(255, 255, 255));
    jLabel10.setText("HEALVENTURE");

    jLabel16.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/cross.png"))); // NOI18N
    jLabel16.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel16MouseClicked(evt);
        }
    });

    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(550, 550, 550)
                .addComponent(jLabel10)
            )
    );

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 230, Short.MAX_VALUE)
        .addComponent(jLabel16)
        .addGap(34, 34, 34))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(24, 24, 24)
            .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel16))
    );

    getContentPane().add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 35, 1040, -1));

    jLabel11.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/background.jpg"))); //
NOI18N
    getContentPane().add(jLabel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1040, 530));

    pack();
    setLocationRelativeTo(null);
} // </editor-fold>

private void jLabel8MouseClicked(java.awt.event.MouseEvent evt) {
    doctorManagement dManagement = new doctorManagement();
    dManagement.setVisible(true);
    dispose();
}

private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {
    doctorManagement dManagement = new doctorManagement();
    dManagement.setVisible(true);
    dispose();
}

private void jLabel4MouseClicked(java.awt.event.MouseEvent evt) {
    patientActivity pActivity = new patientActivity();
    pActivity.setVisible(true);
    dispose();
}

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {
    patientActivity pActivity = new patientActivity();

```

```

        pActivity.setVisible(true);
        dispose();
    }

    private void jLabel5MouseClicked(java.awt.event.MouseEvent evt) {
        ReceptionistManagement rm = new ReceptionistManagement();
        rm.setVisible(true);
        dispose();
    }

    private void jLabel9MouseClicked(java.awt.event.MouseEvent evt) {
        ReceptionistActivity ra = new ReceptionistActivity();
        ra.setVisible(true);
        dispose();
    }

    private void formMouseClicked(java.awt.event.MouseEvent evt) {

    }

    private void jLabel16MouseClicked(java.awt.event.MouseEvent evt) {
        Hospital hospital = new Hospital();
        hospital.setVisible(true);
        dispose();
    }

    public static void main(String args[]) {

        java.awt.EventQueue.invokeLater(() -> {
            new AdminActivity().setVisible(true);
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel16;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;

```

```

private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
// End of variables declaration
}

package Admins;

import Main.Hospital;
import Receptionists.addReceptionist;
import Receptionists.deleteReceptionist;
import Receptionists.searchReceptionist;
import Receptionists.updateReceptionist;
import Receptionists.viewReceptionist;
import javax.swing.ImageIcon;

public class ReceptionistManagement extends javax.swing.JFrame {

    public ReceptionistManagement() {
        initComponents();
        ImageIcon ic = new ImageIcon(getClass().getResource("/Images/hospital.png"));
        this.setIconImage(ic.getImage());
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel2 = new javax.swing.JPanel();
        jLabel10 = new javax.swing.JLabel();
        jLabel16 = new javax.swing.JLabel();
        jLabel19 = new javax.swing.JLabel();
        jPanel5 = new javax.swing.JPanel();
        addReceptionbtn = new javax.swing.JLabel();
        addReceptionbtn2 = new javax.swing.JLabel();
        jPanel4 = new javax.swing.JPanel();
        updateReceptionbtn = new javax.swing.JLabel();
        updateReceptionbtn2 = new javax.swing.JLabel();
        jPanel6 = new javax.swing.JPanel();
        deleteReceptionbtn = new javax.swing.JLabel();
        deleteReceptionbtn2 = new javax.swing.JLabel();
    }

```

```

jPanel8 = new javax.swing.JPanel();
viewReceptionbtn = new javax.swing.JLabel();
viewReceptionbtn2 = new javax.swing.JLabel();
jPanel7 = new javax.swing.JPanel();
searchReceptionbtn = new javax.swing.JLabel();
searchReceptionbtn2 = new javax.swing.JLabel();
jPanel3 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Receptionist Management !");
setResizable(false);
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel2.setBackground(new java.awt.Color(0, 153, 153));
jPanel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel10.setFont(new java.awt.Font("Arial", 0, 24)); // NOI18N
jLabel10.setForeground(new java.awt.Color(255, 255, 255));
jLabel10.setText("HEALVENTURE");
jPanel2.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(390, 19, -1, 42));

jLabel16.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/cross.png"))); // NOI18N
jLabel16.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel16MouseClicked(evt);
    }
});
jPanel2.add(jLabel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(988, 13, -1, -1));

jLabel19.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/backs.png"))); // NOI18N
jLabel19.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel19MouseClicked(evt);
    }
});
jPanel2.add(jLabel19, new org.netbeans.lib.awtextra.AbsoluteConstraints(933, 13, -1, -1));

getContentPane().add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 35, 1050, -1));

jPanel5.setBackground(java.awt.Color.lightGray);
jPanel5.setPreferredSize(new java.awt.Dimension(150, 100));

```

```

jPanel5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

addReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
addReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
addReceptionbtn.setText("Add New");
addReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        addReceptionbtnMouseClicked(evt);
    }
});
jPanel5.add(addReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(24, 68, 121, -1));

addReceptionbtn2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/addpatient.png")));
// NOI18N
addReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        addReceptionbtn2MouseClicked(evt);
    }
});
jPanel5.add(addReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

getContentPane().add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(315, 136, -1, -1));

jPanel4.setBackground(java.awt.Color.lightGray);
jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

updateReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
updateReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
updateReceptionbtn.setText("Update");
updateReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updateReceptionbtnMouseClicked(evt);
    }
});
jPanel4.add(updateReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(35, 68, 101, -1));

updateReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/updatepatient.png"))); // NOI18N
updateReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updateReceptionbtn2MouseClicked(evt);
    }
});
jPanel4.add(updateReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

```

```

getContentPane().add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(555, 136, -1, -1));

jPanel6.setBackground(java.awt.Color.lightGray);
jPanel6.setPreferredSize(new java.awt.Dimension(150, 100));
jPanel6.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

deleteReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
deleteReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
deleteReceptionbtn.setText("Delete ");
deleteReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        deleteReceptionbtnMouseClicked(evt);
    }
});
jPanel6.add(deleteReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(34, 68, 104, -1));

deleteReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/deletepatient.png"))); // NOI18N
deleteReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        deleteReceptionbtn2MouseClicked(evt);
    }
});
jPanel6.add(deleteReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

getContentPane().add(jPanel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(798, 136, -1, 111));

jPanel8.setBackground(java.awt.Color.lightGray);
jPanel8.setPreferredSize(new java.awt.Dimension(150, 100));
jPanel8.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

viewReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
viewReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
viewReceptionbtn.setText("View ");
viewReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        viewReceptionbtnMouseClicked(evt);
    }
});
jPanel8.add(viewReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(39, 68, 99, -1));

viewReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/viewpatient.png"))); // NOI18N
viewReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {

```



```

        viewReceptionbtn2MouseClicked(evt);
    }
});
jPanel8.add(viewReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

getContentPane().add(jPanel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(555, 347, -1, -1));

jPanel7.setBackground(java.awt.Color.lightGray);
jPanel7.setPreferredSize(new java.awt.Dimension(150, 100));
jPanel7.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

searchReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
searchReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
searchReceptionbtn.setText("Search ");
searchReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        searchReceptionbtnMouseClicked(evt);
    }
});
jPanel7.add(searchReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(28, 68, 110, -1));

searchReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/searchpatient.png"))); // NOI18N
searchReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        searchReceptionbtn2MouseClicked(evt);
    }
});
jPanel7.add(searchReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

getContentPane().add(jPanel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(315, 347, -1, -1));

jPanel3.setBackground(new java.awt.Color(0, 153, 153));
jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setFont(new java.awt.Font("Arial", 1, 30)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Welcome");
jPanel3.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 72, -1, -1));

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("to");
jPanel3.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(102, 115, -1, -1));

```

```

jLabel3.setFont(new java.awt.Font("Arial Narrow", 0, 26)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Reception Management");
jLabel3.setToolTipText("");
jPanel3.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 151, 245, 28));

getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 134, 260, 320));

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/background.jpg"))); //
NOI18N
getContentPane().add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1050, 550));

pack();
setLocationRelativeTo(null);
} // </editor-fold>

private void jLabel16MouseClicked(java.awt.event.MouseEvent evt) {
    Hospital hospital = new Hospital();
    hospital.setVisible(true);
    dispose();
}

private void jLabel19MouseClicked(java.awt.event.MouseEvent evt) {
    AdminActivity aActivity = new AdminActivity();
    aActivity.setVisible(true);
    dispose();
}

private void addReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
    addReceptionist adr = new addReceptionist();
    adr.setVisible(true);
    dispose();
}

private void addReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
    addReceptionist adr = new addReceptionist();
    adr.setVisible(true);
    dispose();
}

private void updateReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
    updateReceptionist uReceptionist = new updateReceptionist();
    uReceptionist.setVisible(true);
    this.dispose();
}

```

```

private void updateReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
    updateReceptionist uReceptionist = new updateReceptionist();
    uReceptionist.setVisible(true);
    this.dispose();
}

private void deleteReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
    deleteReceptionist dReceptionist = new deleteReceptionist();
    dReceptionist.setVisible(true);
    this.dispose();
}

private void deleteReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
    deleteReceptionist dReceptionist = new deleteReceptionist();
    dReceptionist.setVisible(true);
    this.dispose();
}

private void viewReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
    viewReceptionist vReceptionist = new viewReceptionist();
    vReceptionist.setVisible(true);
    dispose();
}

private void viewReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
    viewReceptionist vReceptionist = new viewReceptionist();
    vReceptionist.setVisible(true);
    dispose();
}

private void searchReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
    searchReceptionist sReceptionist = new searchReceptionist();
    sReceptionist.setVisible(true);
    dispose();
}

private void searchReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
    searchReceptionist sReceptionist = new searchReceptionist();
    sReceptionist.setVisible(true);
    dispose();
}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(() -> {

```

```

        new ReceptionistManagement().setVisible(true);
    });
}

```

```

// Variables declaration - do not modify
private javax.swing.JLabel addReceptionbtn;
private javax.swing.JLabel addReceptionbtn2;
private javax.swing.JLabel deleteReceptionbtn;
private javax.swing.JLabel deleteReceptionbtn2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
private javax.swing.JPanel jPanel7;
private javax.swing.JPanel jPanel8;
private javax.swing.JLabel searchReceptionbtn;
private javax.swing.JLabel searchReceptionbtn2;
private javax.swing.JLabel updateReceptionbtn;
private javax.swing.JLabel updateReceptionbtn2;
private javax.swing.JLabel viewReceptionbtn;
private javax.swing.JLabel viewReceptionbtn2;

```

```

package Admins;

```

```

import Doctors.*;
import Main.Hospital;
import javax.swing.ImageIcon;

```

```

public class doctorManagement extends javax.swing.JFrame {

```

```

    public static String username;

```

```

    public doctorManagement() {
        initComponents();
        ImageIcon ic = new ImageIcon(getClass().getResource("/Images/hospital.png"));
        this.setIconImage(ic.getImage());
    }

```

```

}

public void User(String Username) {
    username = Username;
}

@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jPanel3 = new javax.swing.JPanel();
    jLabel10 = new javax.swing.JLabel();
    jLabel17 = new javax.swing.JLabel();
    jLabel21 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    adminName = new javax.swing.JLabel();
    jPanel6 = new javax.swing.JPanel();
    addReceptionbtn1 = new javax.swing.JLabel();
    addReceptionbtn3 = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    updateReceptionbtn = new javax.swing.JLabel();
    updateReceptionbtn2 = new javax.swing.JLabel();
    jPanel7 = new javax.swing.JPanel();
    deleteReceptionbtn = new javax.swing.JLabel();
    deleteReceptionbtn2 = new javax.swing.JLabel();
    jPanel8 = new javax.swing.JPanel();
    viewReceptionbtn = new javax.swing.JLabel();
    viewReceptionbtn2 = new javax.swing.JLabel();
    jPanel9 = new javax.swing.JPanel();
    searchReceptionbtn = new javax.swing.JLabel();
    searchReceptionbtn2 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setTitle("Doctor Management !");
    setResizable(false);

    jPanel1.addMouseMotionListener(new java.awt.event.MouseMotionAdapter() {
        public void mouseMoved(java.awt.event.MouseEvent evt) {
            jPanel1MouseMoved(evt);
        }
    }

```

```

});
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel3.setBackground(new java.awt.Color(0, 153, 153));
jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel10.setFont(new java.awt.Font("Arial", 0, 24)); // NOI18N
jLabel10.setForeground(new java.awt.Color(255, 255, 255));
jLabel10.setText("HEALVENTURE");
jPanel3.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(283, 0, -1, 61));

jLabel17.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/cross.png"))); // NOI18N
jLabel17.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel17MouseClicked(evt);
    }
});
jPanel3.add(jLabel17, new org.netbeans.lib.awtextra.AbsoluteConstraints(962, 13, -1, -1));

jLabel21.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/backs.png"))); // NOI18N
jLabel21.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel21MouseClicked(evt);
    }
});
jPanel3.add(jLabel21, new org.netbeans.lib.awtextra.AbsoluteConstraints(902, 13, -1, -1));

jPanel1.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 41, 1030, -1));

jPanel2.setBackground(new java.awt.Color(0, 153, 153));
jPanel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setFont(new java.awt.Font("Arial", 1, 30)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Welcome");
jPanel2.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 72, -1, -1));

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("to");
jPanel2.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(101, 166, -1, -1));

jLabel3.setFont(new java.awt.Font("Arial Narrow", 0, 30)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Doctor Panel");

```

```

jLabel3.setToolTipText("");
jPanel2.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(31, 208, -1, 28));

adminName.setFont(new java.awt.Font("Arial", 0, 28)); // NOI18N
adminName.setForeground(new java.awt.Color(255, 255, 255));
adminName.setText("User");
jPanel2.add(adminName, new org.netbeans.lib.awtextra.AbsoluteConstraints(74, 126, -1, -1));

jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 143, 240, 290));

jPanel6.setBackground(java.awt.Color.lightGray);
jPanel6.setPreferredSize(new java.awt.Dimension(150, 100));
jPanel6.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

addReceptionbtn1.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
addReceptionbtn1.setForeground(new java.awt.Color(255, 255, 255));
addReceptionbtn1.setText("Add New");
addReceptionbtn1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        addReceptionbtn1MouseClicked(evt);
    }
});
jPanel6.add(addReceptionbtn1, new org.netbeans.lib.awtextra.AbsoluteConstraints(24, 68, 121, -1));

addReceptionbtn3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/addpatient.png")));
// NOI18N
addReceptionbtn3.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        addReceptionbtn3MouseClicked(evt);
    }
});
jPanel6.add(addReceptionbtn3, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

jPanel1.add(jPanel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(315, 143, -1, -1));

jPanel4.setBackground(java.awt.Color.lightGray);
jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

updateReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
updateReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
updateReceptionbtn.setText("Update");
updateReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updateReceptionbtnMouseClicked(evt);
    }
}

```

```

});
jPanel4.add(updateReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(35, 68, 101, -1));

updateReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/updatepatient.png"))); // NOI18N
updateReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        updateReceptionbtn2MouseClicked(evt);
    }
});
jPanel4.add(updateReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(555, 143, -1, -1));

jPanel7.setBackground(java.awt.Color.lightGray);
jPanel7.setPreferredSize(new java.awt.Dimension(150, 100));
jPanel7.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

deleteReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
deleteReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
deleteReceptionbtn.setText("Delete ");
deleteReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        deleteReceptionbtnMouseClicked(evt);
    }
});
jPanel7.add(deleteReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(34, 68, 104, -1));

deleteReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/deletpatient.png"))); // NOI18N
deleteReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        deleteReceptionbtn2MouseClicked(evt);
    }
});
jPanel7.add(deleteReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

jPanel1.add(jPanel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(798, 143, -1, 111));

jPanel8.setBackground(java.awt.Color.lightGray);
jPanel8.setPreferredSize(new java.awt.Dimension(150, 100));
jPanel8.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

viewReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
viewReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));

```



```

viewReceptionbtn.setText("View ");
viewReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        viewReceptionbtnMouseClicked(evt);
    }
});
jPanel8.add(viewReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(39, 68, 99, -1));

viewReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/viewpatient.png"))); // NOI18N
viewReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        viewReceptionbtn2MouseClicked(evt);
    }
});
jPanel8.add(viewReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

jPanel1.add(jPanel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(555, 334, -1, -1));

jPanel9.setBackground(java.awt.Color.lightGray);
jPanel9.setPreferredSize(new java.awt.Dimension(150, 100));
jPanel9.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

searchReceptionbtn.setFont(new java.awt.Font("Arial", 0, 25)); // NOI18N
searchReceptionbtn.setForeground(new java.awt.Color(255, 255, 255));
searchReceptionbtn.setText("Search ");
searchReceptionbtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        searchReceptionbtnMouseClicked(evt);
    }
});
jPanel9.add(searchReceptionbtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(28, 68, 110, -1));

searchReceptionbtn2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Icon/searchpatient.png"))); // NOI18N
searchReceptionbtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        searchReceptionbtn2MouseClicked(evt);
    }
});
jPanel9.add(searchReceptionbtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(49, 13, -1, -1));

jPanel1.add(jPanel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(315, 334, -1, -1));

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/background.jpg"))); //

```

NOI18N

```
jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1030, 560));

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

pack();
setLocationRelativeTo(null);
} // </editor-fold>

private void jPanel1MouseClicked(java.awt.event.MouseEvent evt) {
    adminName.setText(username);
}

private void jLabel17MouseClicked(java.awt.event.MouseEvent evt) {
    Hospital hospital = new Hospital();
    hospital.setVisible(true);
    dispose();
}

private void addReceptionbtn1MouseClicked(java.awt.event.MouseEvent evt) {
    addDoctor aDoctor = new addDoctor();
    aDoctor.setVisible(true);
    dispose();
}

private void addReceptionbtn3MouseClicked(java.awt.event.MouseEvent evt) {
    addDoctor aDoctor = new addDoctor();
    aDoctor.setVisible(true);
    dispose();
}

private void updateReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
    updateDoctor uReceptionist = new updateDoctor();
    uReceptionist.setVisible(true);
}
```

```

        this.dispose();
    }

    private void updateReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
        updateDoctor uReceptionist = new updateDoctor();
        uReceptionist.setVisible(true);
        this.dispose();
    }

    private void deleteReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
        deleteDoctor dDoctor = new deleteDoctor();
        dDoctor.setVisible(true);
        this.dispose();
    }

    private void deleteReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
        deleteDoctor dDoctor = new deleteDoctor();
        dDoctor.setVisible(true);
        this.dispose();
    }

    private void viewReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
        viewDoctor vReceptionist = new viewDoctor();
        vReceptionist.setVisible(true);
        dispose();
    }

    private void viewReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
        viewDoctor vReceptionist = new viewDoctor();
        vReceptionist.setVisible(true);
        dispose();
    }

    private void searchReceptionbtnMouseClicked(java.awt.event.MouseEvent evt) {
        searchDoctor sReceptionist = new searchDoctor();
        sReceptionist.setVisible(true);
        dispose();
    }

    private void searchReceptionbtn2MouseClicked(java.awt.event.MouseEvent evt) {
        searchDoctor sReceptionist = new searchDoctor();
        sReceptionist.setVisible(true);
        dispose();
    }

```

```

private void jLabel21MouseClicked(java.awt.event.MouseEvent evt) {
    AdminActivity aActivity = new AdminActivity();
    aActivity.setVisible(true);
    dispose();
}
public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(() -> {
        new doctorManagement().setVisible(true);
    });
}

```

```

// Variables declaration - do not modify
private javax.swing.JLabel addReceptionbtn1;
private javax.swing.JLabel addReceptionbtn3;
private javax.swing.JLabel adminName;
private javax.swing.JLabel deleteReceptionbtn;
private javax.swing.JLabel deleteReceptionbtn2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel6;
private javax.swing.JPanel jPanel7;
private javax.swing.JPanel jPanel8;
private javax.swing.JPanel jPanel9;
private javax.swing.JLabel searchReceptionbtn;
private javax.swing.JLabel searchReceptionbtn2;
private javax.swing.JLabel updateReceptionbtn;
private javax.swing.JLabel updateReceptionbtn2;
private javax.swing.JLabel viewReceptionbtn;
private javax.swing.JLabel viewReceptionbtn2;
// End of variables declaration
}

```

```
package Main;
```

```

import Admins.AdminActivity;
import java.awt.HeadlessException;

```

```

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.ImageIcon;
import javax.swing.JOptionPane;

```

```

public class Admin extends javax.swing.JFrame {

```

```

    PreparedStatement prp = null;
    ResultSet result = null;
    Connection connection = null;
    String username;

```

```

    public Admin() {
        initComponents();
        ImageIcon ic = new ImageIcon(getClass().getResource("/Images/hospital.png"));
        this.setIconImage(ic.getImage());
    }

```

```

    /**
     * This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this
     code. The content of this method is always regenerated by the Form Editor.

```

```

    */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

```

```

        aUserLabel = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        aUserField = new javax.swing.JTextField();
        aPassField = new javax.swing.JPasswordField();
        dExitBtn = new javax.swing.JButton();
        aLoginBtn = new javax.swing.JButton();
        mLabel = new java.awt.Label();
        jLabel1 = new javax.swing.JLabel();

```

```

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Welcome Admin !");
        setMaximizedBounds(new java.awt.Rectangle(0, 0, 1000, 550));
        setResizable(false);
        setSize(new java.awt.Dimension(1000, 550));

```

```

        aUserLabel.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

```

```
aUserLabel.setText("Username:");
```

```
jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
```

```
jLabel2.setText("Password:");
```

```
aUserField.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        aUserFieldActionPerformed(evt);
    }
});
```

```
dExitBtn.setBackground(new java.awt.Color(0, 204, 204));
dExitBtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
dExitBtn.setForeground(new java.awt.Color(255, 255, 255));
dExitBtn.setText("Home");
dExitBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dExitBtnActionPerformed(evt);
    }
});
```

```
aLoginBtn.setBackground(new java.awt.Color(0, 153, 153));
aLoginBtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
aLoginBtn.setForeground(new java.awt.Color(255, 255, 255));
aLoginBtn.setText("Login");
aLoginBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        aLoginBtnActionPerformed(evt);
    }
});
```

```
mLabel.setAlignment(java.awt.Label.CENTER);
mLabel.setBackground(new java.awt.Color(0, 153, 153));
mLabel.setFont(new java.awt.Font("Arial", 0, 24)); // NOI18N
mLabel.setForeground(new java.awt.Color(255, 255, 255));
mLabel.setText("HEALVENTURE");
```

```
jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/background.jpg"))); //
```

```
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
```

```

        .addGap(388, 388, 388)
        .addComponent(aUserField, javax.swing.GroupLayout.PREFERRED_SIZE, 279,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(576, 576, 576)
        .addComponent(aLoginBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 91,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(388, 388, 388)
        .addComponent(dExitBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 91,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(mLabel, javax.swing.GroupLayout.PREFERRED_SIZE, 1000,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createSequentialGroup())
        .addGap(262, 262, 262)
        .addComponent(aUserLabel))
        .addGroup(layout.createSequentialGroup())
        .addGap(388, 388, 388)
        .addComponent(aPassField, javax.swing.GroupLayout.PREFERRED_SIZE, 279,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(261, 261, 261)
        .addComponent(jLabel2))
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 1000,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addGap(169, 169, 169)
        .addComponent(aUserField, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(195, 195, 195)
        .addComponent(aLoginBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(393, 393, 393)
        .addComponent(dExitBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(35, 35, 35)
        .addComponent(mLabel, javax.swing.GroupLayout.PREFERRED_SIZE, 70,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(169, 169, 169)

```

```

        .addComponent(aUserLabel))
    .addGroup(layout.createSequentialGroup())
    .addGap(291, 291, 291)
    .addComponent(aPassField, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(layout.createSequentialGroup())
    .addGap(291, 291, 291)
    .addComponent(jLabel2))
    .addComponent(jLabel1)
);

pack();
setLocationRelativeTo(null);
} // </editor-fold>

private void dExitBtnActionPerformed(java.awt.event.ActionEvent evt) {
    Hospital hospital = new Hospital();
    hospital.setVisible(true);
    dispose();
}

private void aLoginBtnActionPerformed(java.awt.event.ActionEvent evt) {
    connection = Connector.ConnectDb();
    String user = aUserField.getText();
    String pass = String.valueOf(aPassField.getPassword());

    try {
        String sql = "select username, password from admin where username='" + user + "'";
        prp = connection.prepareStatement(sql);
        result = prp.executeQuery();
        result.first();
        if (pass.equals(result.getString("password"))) {
            AdminActivity adminActivity = new AdminActivity();
            adminActivity.setVisible(true);
            JOptionPane.showMessageDialog(null, "Login Succesful", "Welcome " + user,
JOptionPane.INFORMATION_MESSAGE);
            dispose();
            username = user;
            adminActivity.User(username);
            connection.close();
        } else {
            JOptionPane.showMessageDialog(null, "Login Failed", "Error", JOptionPane.WARNING_MESSAGE);
//            JOptionPane.showMessageDialog(null, "User or Password wrong.");
        }
    }
}

```



```

        } catch (HeadlessException | SQLException e) {
//            JOptionPane.showMessageDialog(null, e);
            JOptionPane.showMessageDialog(null, "User or Password wrong.");
        }

    }

    private void aUserFieldActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(() -> {
            new Admin().setVisible(true);
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton aLoginBtn;
    private javax.swing.JPasswordField aPassField;
    private javax.swing.JTextField aUserField;
    private javax.swing.JLabel aUserLabel;
    private javax.swing.JButton dExitBtn;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private java.awt.Label mLabel;
    // End of variables declaration
}

package Main;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import javax.swing.JOptionPane;

public class Connector {

    public static void main(String[] args) {
        ConnectDb();
    }

    public static Connection ConnectDb() {
        Connection connection = null;
        try {

```

```

        Class.forName("com.mysql.jdbc.Driver");
        connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/hospital?useSSL=true",
"root", "");
//      JOptionPane.showMessageDialog(null, "Connection Established");
        return connection;
    } catch (ClassNotFoundException | SQLException ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
    return connection;
}
}
package Main;

import Doctors.doctorActivity;
import java.awt.HeadlessException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.ImageIcon;
import javax.swing.JOptionPane;

public class Doctor extends javax.swing.JFrame {

    PreparedStatement prp = null;
    ResultSet result = null;
    Connection connection = null;
    String userName;

    public Doctor() {
        initComponents();
        ImageIcon ic = new ImageIcon(getClass().getResource("/Images/hospital.png"));
        this.setIconImage(ic.getImage());
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        mLabel = new java.awt.Label();
        aUserLabel = new javax.swing.JLabel();
        dUserField = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();

```

```

dPassField = new javax.swing.JPasswordField();
dExitBtn = new javax.swing.JButton();
dLoginBtn = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Hello Doctor !");
setResizable(false);
setSize(new java.awt.Dimension(1000, 550));

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 13, Short.MAX_VALUE)
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 0, Short.MAX_VALUE)
);

mLabel.setAlignment(java.awt.Label.CENTER);
mLabel.setBackground(new java.awt.Color(0, 153, 153));
mLabel.setFont(new java.awt.Font("Arial", 0, 24)); // NOI18N
mLabel.setForeground(new java.awt.Color(255, 255, 255));
mLabel.setText("HEALVENTURE");

aUserLabel.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
aUserLabel.setText("Username:");

dUserField.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dUserFieldActionPerformed(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel2.setText("Password:");

dExitBtn.setBackground(new java.awt.Color(0, 204, 204));
dExitBtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
dExitBtn.setForeground(new java.awt.Color(255, 255, 255));
dExitBtn.setText("Home");
dExitBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        dExitBtnActionPerformed(evt);
    }
});

```

```

dLoginBtn.setBackground(new java.awt.Color(0, 153, 153));
dLoginBtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
dLoginBtn.setForeground(new java.awt.Color(255, 255, 255));
dLoginBtn.setText("Login");
dLoginBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dLoginBtnActionPerformed(evt);
    }
});

```

```

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/background.jpg"))); //
NOI18N

```

```

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(104, 104, 104)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addGap(262, 262, 262)
            .addComponent(aUserLabel))
        .addGroup(layout.createSequentialGroup()
            .addGap(383, 383, 383)
            .addComponent(dPassField, javax.swing.GroupLayout.PREFERRED_SIZE, 279,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addGap(387, 387, 387)
            .addComponent(dExitBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 91,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addGap(581, 581, 581)
            .addComponent(dLoginBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 91,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(mLabel, javax.swing.GroupLayout.PREFERRED_SIZE, 1017,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createSequentialGroup()
            .addGap(269, 269, 269)
            .addComponent(jLabel2))

```

```

        .addGroup(layout.createSequentialGroup())
        .addGap(383, 383, 383)
        .addComponent(dUserField, javax.swing.GroupLayout.PREFERRED_SIZE, 279,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 1020,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(170, 170, 170)
        .addComponent(aUserLabel)
        .addGap(105, 105, 105)
        .addComponent(dPassField, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(73, 73, 73)
        .addComponent(dExitBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(406, 406, 406)
        .addComponent(dLoginBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(36, 36, 36)
        .addComponent(mLabel, javax.swing.GroupLayout.PREFERRED_SIZE, 70,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(304, 304, 304)
        .addComponent(jLabel2))
        .addGroup(layout.createSequentialGroup())
        .addGap(170, 170, 170)
        .addComponent(dUserField, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jLabel1)
    );

    pack();
    setLocationRelativeTo(null);
} // </editor-fold>

private void dUserFieldActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void dExitBtnActionPerformed(java.awt.event.ActionEvent evt) {
    Hospital hospital = new Hospital();
    hospital.setVisible(true);
    dispose();
}

private void dLoginBtnActionPerformed(java.awt.event.ActionEvent evt) {
    connection = Connector.ConnectDb();
    String user = dUserField.getText();
    String pass = String.valueOf(dPassField.getPassword());

    try {
        String sql = "select username, password from doctor where username='" + user + "'";
        prp = connection.prepareStatement(sql);
        result = prp.executeQuery();
        result.first();
        userName = user;
        if (pass.equals(result.getString("password"))) {
            doctorActivity dActivity = new doctorActivity(userName);
            dActivity.setVisible(true);
            JOptionPane.showMessageDialog(null, "Login Succesful", "Welcome " + user,
JOptionPane.INFORMATION_MESSAGE);
            dispose();
            connection.close();
        } else {
            JOptionPane.showMessageDialog(null, "Login Failed", "Error", JOptionPane.WARNING_MESSAGE);
        }

    } catch (HeadlessException | SQLException e) {
        JOptionPane.showMessageDialog(null, "User or Password wrong.");
    }
}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(() -> {
        new Doctor().setVisible(true);
    });
}

// Variables declaration - do not modify
private javax.swing.JLabel aUserLabel;
private javax.swing.JButton dExitBtn;
private javax.swing.JButton dLoginBtn;
private javax.swing.JPasswordField dPassField;
private javax.swing.JTextField dUserField;

```

```

private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private java.awt.Label mLabel;
// End of variables declaration
}
package Main;

import javax.swing.ImageIcon;

public class Hospital extends javax.swing.JFrame {

    public Hospital() {
        initComponents();
        ImageIcon ic = new ImageIcon(getClass().getResource("/Images/hospital.png"));
        this.setIconImage(ic.getImage());
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        MainF = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        adminIcon = new javax.swing.JLabel();
        adminLabel = new javax.swing.JLabel();
        mLabel = new java.awt.Label();
        jPanel2 = new javax.swing.JPanel();
        receptionIcon = new javax.swing.JLabel();
        receptionLabel = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        doctorIcon = new javax.swing.JLabel();
        doctorLabel = new javax.swing.JLabel();
        jPanel4 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel5 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Welcome To HEALVENTURE");
        setResizable(false);

```

```

setSize(new java.awt.Dimension(800, 480));

MainF.setName("Welcome To HEALVENTURE"); // NOI18N
MainF.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel1.setBackground(java.awt.Color.lightGray);

adminIcon.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/admin.png"))); // NOI18N
adminIcon.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        adminIconMouseClicked(evt);
    }
});

adminLabel.setFont(new java.awt.Font("Arial", 0, 18)); // NOI18N
adminLabel.setForeground(new java.awt.Color(255, 255, 255));
adminLabel.setText("Admin");
adminLabel.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        adminLabelMouseClicked(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(54, 54, 54)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(adminLabel)
                .addComponent(adminIcon))
            .addGap(57, Short.MAX_VALUE))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(54, 54, 54)
            .addComponent(adminIcon)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(adminLabel)
            .addGap(57, Short.MAX_VALUE))
        );

MainF.add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(260, 245, -1, -1));

```



```

mLabel.setAlignment(java.awt.Label.CENTER);
mLabel.setBackground(new java.awt.Color(0, 153, 153));
mLabel.setFont(new java.awt.Font("Arial", 0, 24)); // NOI18N
mLabel.setForeground(new java.awt.Color(255, 255, 255));
mLabel.setText("HEALVENTURE");
MainF.add(mLabel, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 35, 1024, 70));

```

```

jPanel2.setBackground(java.awt.Color.lightGray);

```

```

receptionIcon.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/reception.png"))); // NOI18N

```

```

receptionIcon.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        receptionIconMouseClicked(evt);
    }
});

```

```

receptionLabel.setFont(new java.awt.Font("Arial", 0, 18)); // NOI18N
receptionLabel.setForeground(new java.awt.Color(255, 255, 255));
receptionLabel.setText("Receptionist");
receptionLabel.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        receptionLabelMouseClicked(evt);
    }
});

```

```

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(27, 27, Short.MAX_VALUE)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(receptionLabel)
                    .addGap(24, 24, 24))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(receptionIcon)
                    .addGap(50, 50, 50))))
        .addGap(50, 50, 50)
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(27, 27, Short.MAX_VALUE)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(receptionLabel)
                    .addGap(24, 24, 24))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(receptionIcon)
                    .addGap(50, 50, 50))))
        .addGap(50, 50, 50)
);

```

```

        .addComponent(receptionIcon)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(receptionLabel)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    MainF.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(773, 245, -1, -1));

    jPanel3.setBackground(java.awt.Color.lightGray);

    doctorIcon.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Icon/doctor.png"))); // NOI18N
    doctorIcon.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            doctorIconMouseClicked(evt);
        }
    });

    doctorLabel.setFont(new java.awt.Font("Arial", 0, 18)); // NOI18N
    doctorLabel.setForeground(new java.awt.Color(255, 255, 255));
    doctorLabel.setText("Doctor");
    doctorLabel.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            doctorLabelMouseClicked(evt);
        }
    });

    javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
    jPanel3.setLayout(jPanel3Layout);
    jPanel3Layout.setHorizontalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(51, 51, 51)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(doctorLabel)
                    .addComponent(doctorIcon))
                .addContainerGap(46, Short.MAX_VALUE))
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(doctorIcon)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(doctorLabel)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

```

```

);

MainF.add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(521, 245, -1, -1));

jPanel4.setBackground(new java.awt.Color(0, 204, 204));

jLabel1.setFont(new java.awt.Font("Arial", 0, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Login As");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1)
            .addContainerGap())
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1)
            .addContainerGap())
);

MainF.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 144, -1, -1));

jPanel5.setBackground(new java.awt.Color(0, 102, 102));

jLabel2.setFont(new java.awt.Font("Arial", 1, 30)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Welcome");

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("to");

jLabel4.setFont(new java.awt.Font("Arial Narrow", 1, 30)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Healventure");
jLabel4.setToolTipText("");
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

```

```

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(88, 88, 88)
            .addComponent(jLabel3)
            .addGap(22, 22, 22)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 157,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(35, 35, 35)
            .addComponent(jLabel2)))
        .addGap(33, Short.MAX_VALUE))
);
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(67, 67, 67)
            .addComponent(jLabel2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 28,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(96, Short.MAX_VALUE))
);

MainF.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 222, -1, -1));

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Images/background.jpg"))); //
NOI18N
MainF.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1030, 530));

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(MainF, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(

```

```

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(MainF, javax.swing.GroupLayout.PREFERRED_SIZE, 529,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        pack();
        setLocationRelativeTo(null);
    }// </editor-fold>

    private void receptionLabelMouseClicked(java.awt.event.MouseEvent evt) {
        Receptionist receptionist = new Receptionist();
        receptionist.setVisible(true);
        dispose();
    }

    private void receptionIconMouseClicked(java.awt.event.MouseEvent evt) {
        Receptionist receptionist = new Receptionist();
        receptionist.setVisible(true);
        dispose();
    }

    private void doctorLabelMouseClicked(java.awt.event.MouseEvent evt) {
        Doctor doctor = new Doctor();
        doctor.setVisible(true);
        dispose();
    }

    private void doctorIconMouseClicked(java.awt.event.MouseEvent evt) {
        Doctor doctor = new Doctor();
        doctor.setVisible(true);
        dispose();
    }

    private void adminLabelMouseClicked(java.awt.event.MouseEvent evt) {
        Admin ad = new Admin();
        ad.setVisible(true);
        dispose();
    }

    private void adminIconMouseClicked(java.awt.event.MouseEvent evt) {
        Admin ad = new Admin();
        ad.setVisible(true);
        dispose();
    }

```

```

    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(() -> {
            new Hospital().setVisible(true);
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JPanel MainF;
    private javax.swing.JLabel adminIcon;
    private javax.swing.JLabel adminLabel;
    private javax.swing.JLabel doctorIcon;
    private javax.swing.JLabel doctorLabel;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JPanel jPanel5;
    private java.awt.Label mLabel;
    private javax.swing.JLabel receptionIcon;
    private javax.swing.JLabel receptionLabel;
    // End of variables declaration
}

```

11)Bibliography

- www.google.com
- www.w3schools.com
- www.mysql.com